

Title (en)

IMPROVED METHOD FOR THE PREPARATION OF NON-CRYSTALLINE POLYMERS OF HIGH MOLECULAR WEIGHT

Publication

EP 0108156 B1 19890104 (EN)

Application

EP 82110099 A 19821102

Priority

- EP 82110099 A 19821102
- US 26133981 A 19810507

Abstract (en)

[origin: US4358572A] A process for the preparation of a drag reducing substance which comprises: (a) a transition metal catalyst slurry containing: 1. crystalline titanium halide having the general formula TiX_n where $n=2.5$ to 3.0 and X is halogen, 2. a hydrocarbon diluent, and 3. an ether; (b) a co-catalyst; (c) alpha-monoolefinic hydrocarbons containing from 2 to 30 carbon atoms under suitable polymerization conditions providing for an ultrahigh molecular weight polymer that is soluble in hydrocarbons; and (d) ceasing the polymerization at a polymer content of 20 percent by weight or less.

IPC 1-7

C08F 10/00; **C08F 4/64**

IPC 8 full level

C08F 2/00 (2006.01); **C08F 2/04** (2006.01); **C08F 2/06** (2006.01); **C08F 4/00** (2006.01); **C08F 4/60** (2006.01); **C08F 4/64** (2006.01); **C08F 8/00** (2006.01); **C08F 10/00** (2006.01); **C08F 210/00** (2006.01)

IPC 8 main group level

C08F (2006.01)

CPC (source: EP US)

C08F 10/00 (2013.01 - EP US); **Y10S 526/907** (2013.01 - EP US); **Y10T 137/0391** (2015.04 - EP US)

Cited by

US5869570A; AU726390B2; WO9734937A1; WO9500563A1

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US 4358572 A 19821109; CA 1189246 A 19850618; DE 108156 T1 19840927; EP 0108156 A1 19840516; EP 0108156 B1 19890104; JP S5986606 A 19840518; NO 160449 B 19890109; NO 160449 C 19890419; NO 823681 L 19840507

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